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MENSTRUAL CYCLE TRACKING**(52) **U.S. CL.**CPC ..... *A61B 10/0012* (2013.01); *G01K 7/16*  
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(57)

**ABSTRACT**

Embodiments are directed to systems and techniques for tracking menstrual cycles, which can include receiving temperature measurements from an array of temperature sensors positioned on a bed. A use period for the array can be determined when temperature measurements from at least one temperature sensor of the one or more temperature sensors exceed a first temperature threshold. In some embodiments, for each use period in a set of two or more use periods, a temperature of the user using the set of temperatures from the respective use period can be determined. After determining the temperature of the user for each use period in the set of two or more use periods, at least one change in the temperature of the user between different use periods can be identified. An ovulation day of the user based on the at least one change in the temperature of the user can be estimated.

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